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18379 U.S. PTO

**UTILITY PATENT APPLICATION TRANSMITTAL  
(Large Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.  
EL021RH-2

Total Pages in this Submission

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**~~Box Patent Application~~ PO Box 1450  
~~Washington D.C. 20231~~ Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**AN ELECTROLESS PROCESS FOR TREATING METALLIC SURFACES AND PRODUCTS FORMED THEREBY**

and invented by:

**ROBERT L. HEIMANN, BRANK POPOV, BRUCE FLINT, DRAGAN SLAVKOV AND CRAIG BISHOP**22858 U.S. PTO  
10/783606If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/211,051

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 49 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☐ Reference to Microfiche Appendix *(if applicable)*
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if drawings filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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## Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal                      Number of Sheets    16 (to replace informal)
- b. ☒ Informal                      Number of Sheets    15 (originally filed)
4. ☒ Oath or Declaration
- a. ☐ Newly executed (original or copy)      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class    ☒ Express Mail (Specify Label No.):    EL 975827072 US

**UTILITY PATENT APPLICATION TRANSMITTAL  
(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

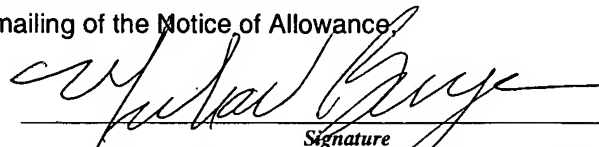
Docket No.  
EL021RH-2

Total Pages in this Submission

**Accompanying Application Parts (Continued)**15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)16. ☐ Additional Enclosures (please identify below):**Fee Calculation and Transmittal****CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	18	- 20 =	0	x \$22.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$82.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$770.00

- ☒ A check in the amount of \$770.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 15-0680 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance pursuant to 37 C.F.R. 1.311(b).

  
Signature

MICHAEL K. BOYER - USPTO REG NO 33,085  
ATTORNEY FOR APPLICANTS  
ORSCHELN MANAGEMENT CO  
2000 US HWY 63 SOUTH  
MOBERLY, MISSOURI 65270  
tel: 660 269-4536 / fax: 660 269-4530  
email: mboyer@orscheln.com

Dated:

FEB 20, 2004

cc:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **ROBERT L. HEIMANN ET AL.**

Docket No.

**EL021RH-2**Serial No.  
**UNKNOWN**Filing Date  
**FEBRUARY 20, 2004**Examiner  
**UNKNOWN**Group Art Unit  
**UNKNOWN**Invention: **AN ELECTROLESS PROCESS FOR TREATING METALLIC SURFACES AND PRODUCTS FORMED THEREBY**I hereby certify that this **NEW UTILITY PATENT APPLICATION TRANSMITTAL**

(Identify type of correspondence)

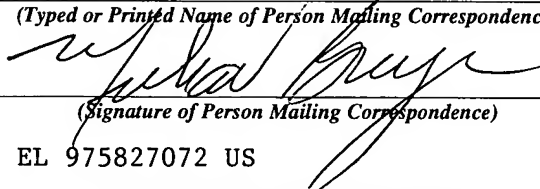
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
Commissioner for Patents, PO Box 1450, Alexandria,  
37 CFR 1.10 in an envelope addressed to: ~~The Commissioner of Patents and Trademarks, Washington, DC~~  
VA 22313-1450

~~2023X000~~ on **FEBRUARY 20, 2004**

(Date)

**MICHAEL K. BOYER**

(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

EL 975827072 US

("Express Mail" Mailing Label Number)

**Note: Each paper must have its own certificate of mailing.**